



## Reach Gain Update

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Allan Wylie IDWR

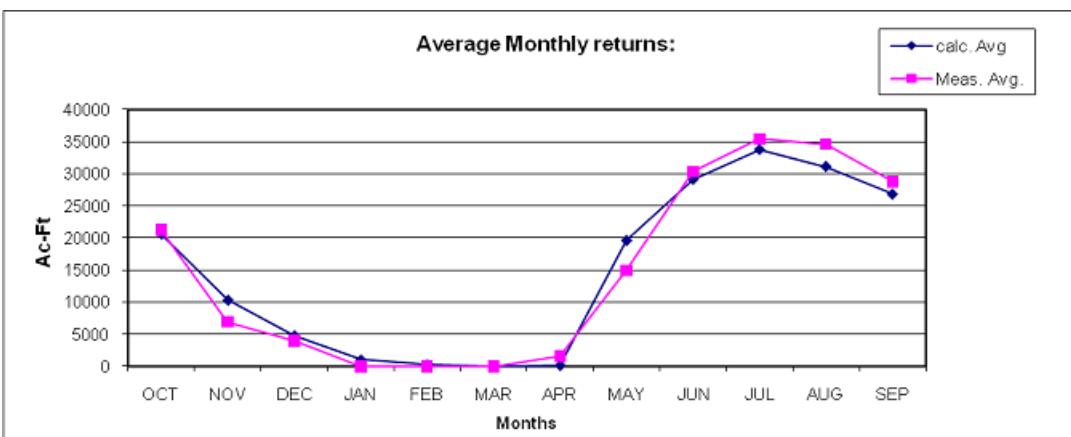


## Reach Gain

Difference down stream and upstream gages and account for inflows and outflows

Usually some diverted water returns to Snake River

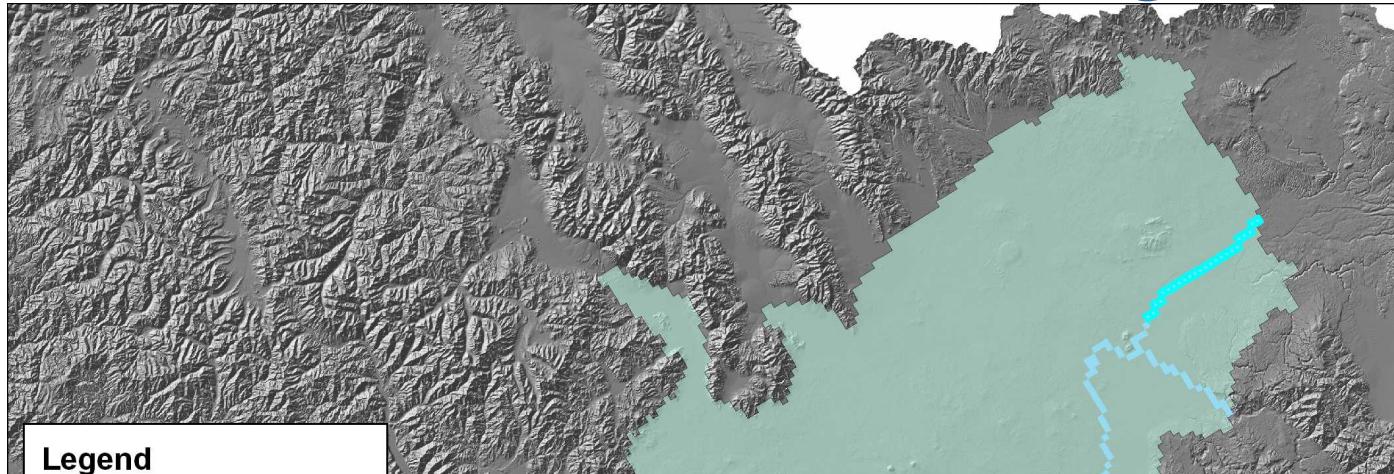
We account for returns using Lag Factors. A fractions of diversions in this month return to the river in future months.



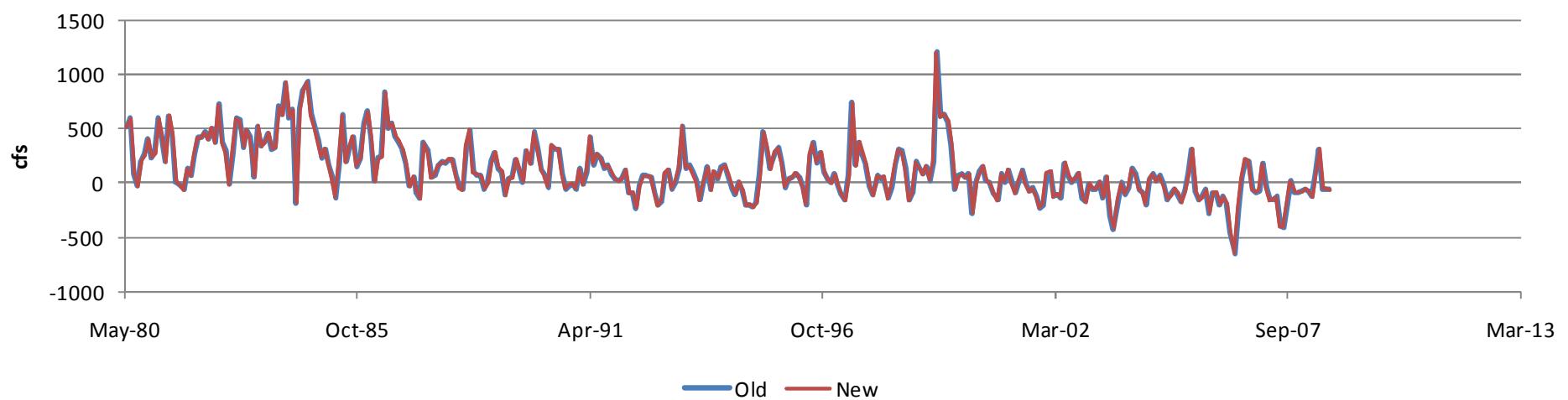
# GENERAL Return Calculations

- Current reach gain targets do not include up to date lag factors
  - 1980-1988: Canal manager intuition
  - 1988-present: Combination of measurements and canal manager intuition
- New reach gains include updated lag factors
  - 1980-1988: Canal manager intuition
  - 1988-2001: Combination of measurements and canal manager intuition
  - 2002: measurements
  - 2003: measurements
  - 2004: measurements
  - 2005: measurements
  - 2006: measurements
  - 2007: measurements
  - 2008: measurements

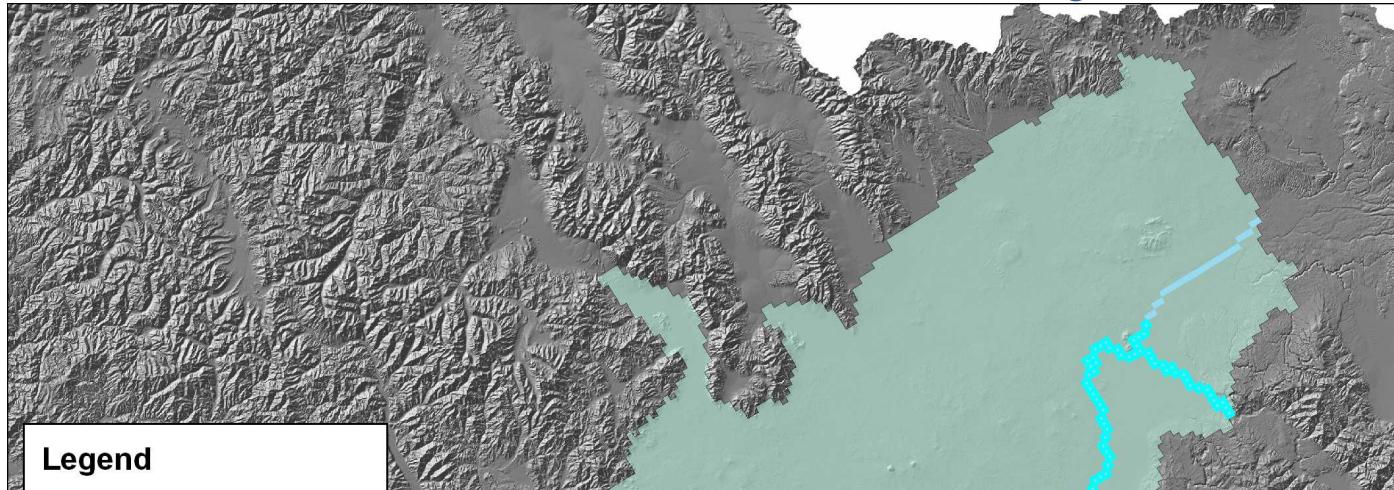
# Ashton - Rexburg



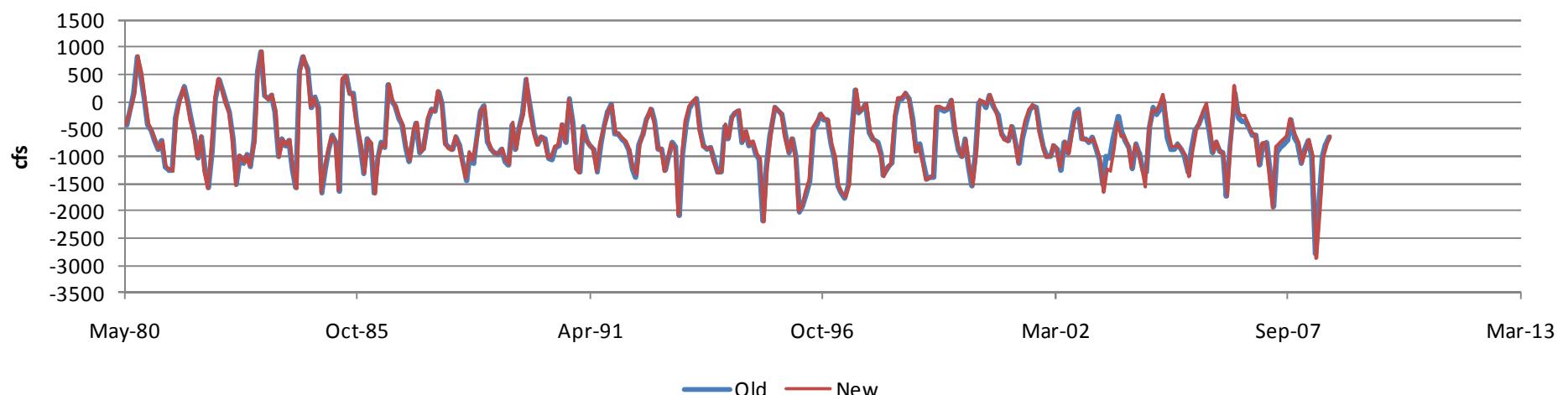
**Ashton - Rexburg**



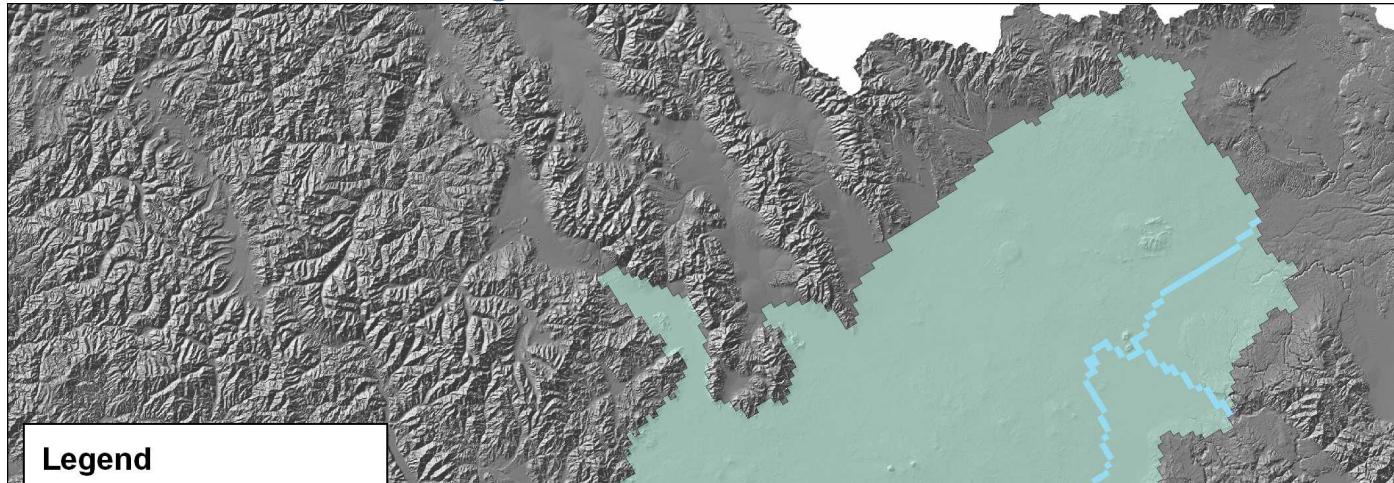
# Heise - Shelley



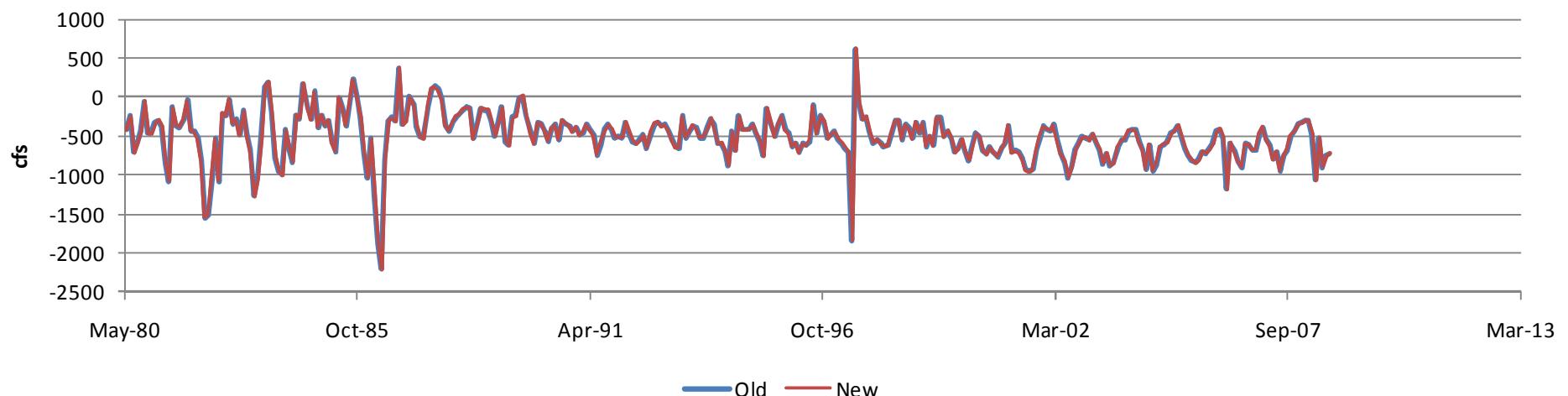
## Heise - Shelley



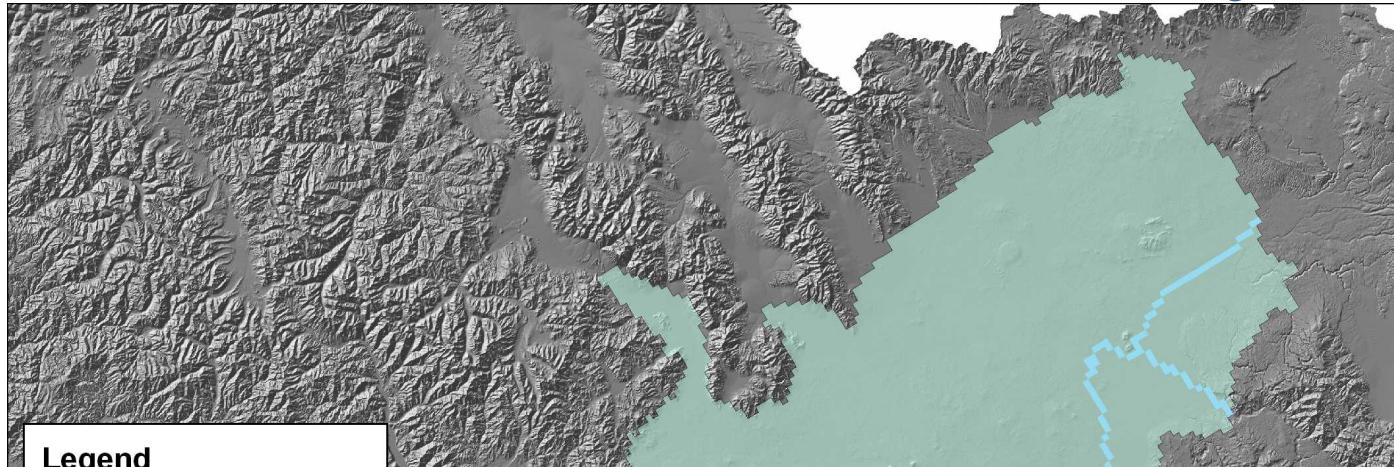
# Shelley – nr Blackfoot



Shelley - nr Blackfoot

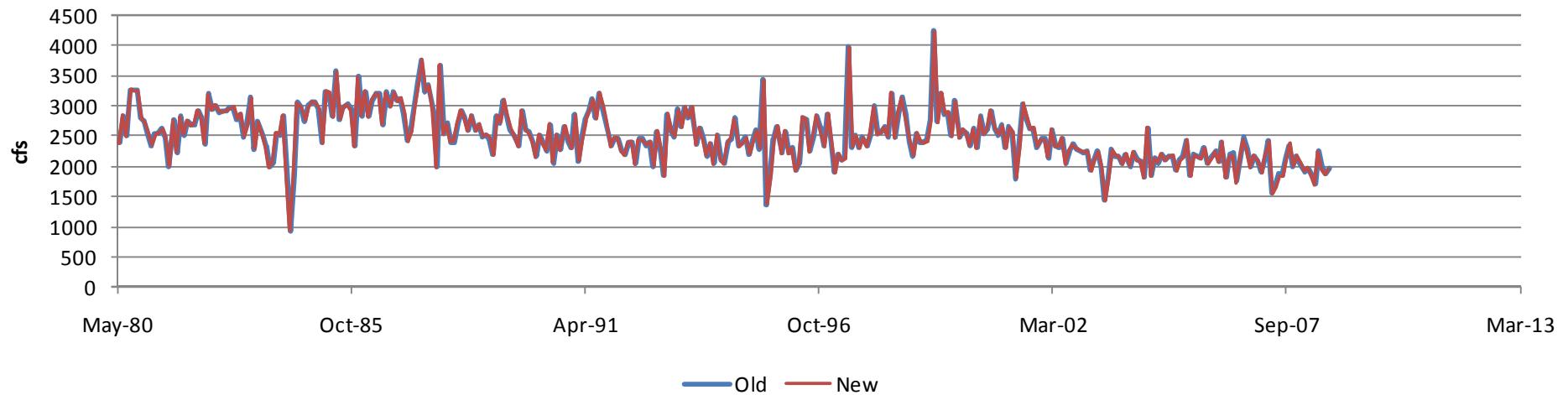


# Nr Blackfoot - Neeley

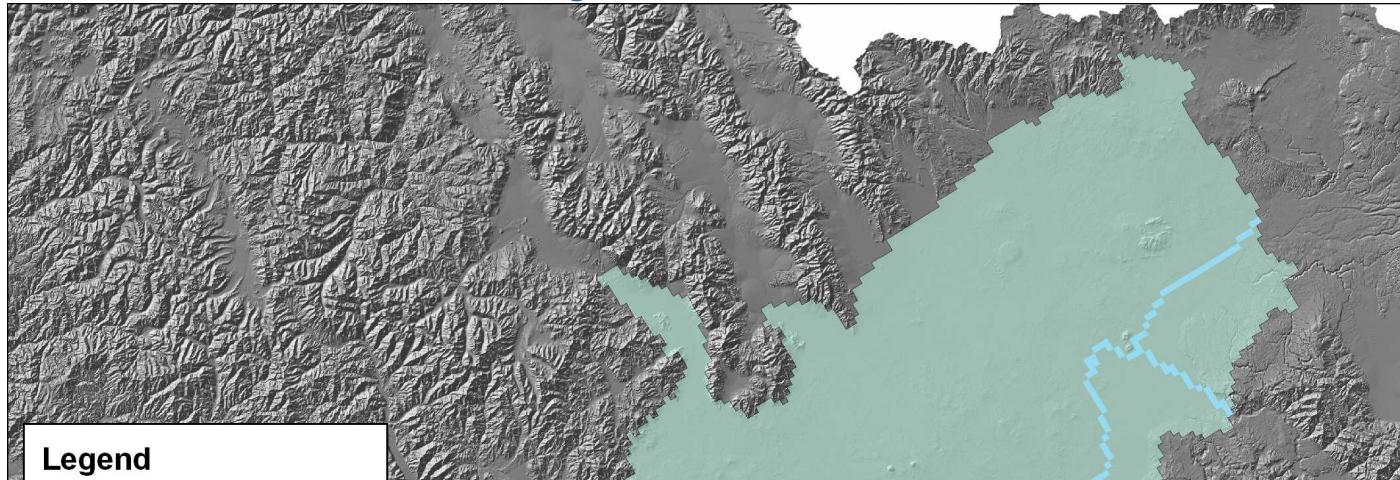


Legend

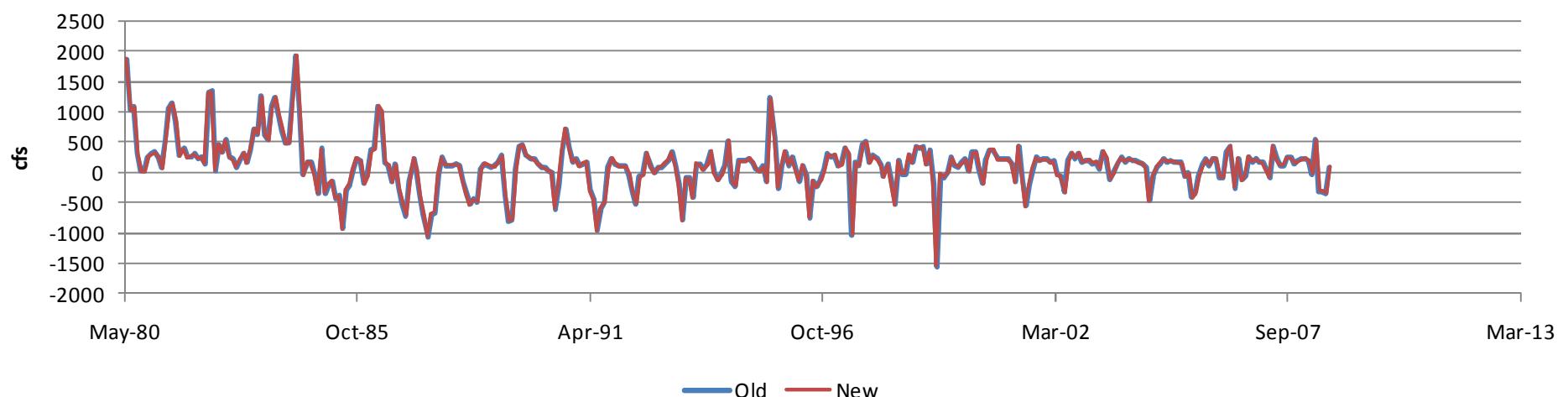
**nr Blackfoot - Neeley**



# Neeley - Minidoka



**Neeley - Minidoka**





End

